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**SEQUENCE LISTING**

TECH CENTER 1600/2900

<110> Hosted, Jr., Thomas J.  
Horan, Ann C.

<120> Isolation of *Micromonospora carbonacea* var *africana* pMLP1 integrase and use of integrating function for site-specific integration into *Micromonospora halophitica* and *Micromonospora carbonacea* chromosome

<130> IN01164K

<140> 09/855, 340

<141> May 15, 2001

<150> 60/204, 670

<151> 2000-05-17

<160> 16

<170> PatentIn Ver. 2.1

<210> 1

<211> 1179

<212> DNA

<213> *Micromonospora carbonacea*

<400> 1

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 cgcaggtgcg cctcc 315

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 <211> 260  
 <212> DNA  
 <213> *Micromonospora halophytica*

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<210> 10  
 <211> 209  
 <212> DNA  
 <213> artificial sequence

<220>

<223> pMLP1 attP region

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<210> 11  
 <211> 19

<212> DNA

<213> artificial sequence

<220>

<223> primer PR144

<400> 11

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19

<210> 12

<211> 20

<212> DNA

<213> artificial sequence

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<223> primer PR145

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n is inosine (I)

<400> 12

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<210> 13

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<213> artificial sequence

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<223> primer PDH504

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and 4d  
<400> 15

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Ala Glu Pro Thr Ala  
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<210> 16  
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<223> amino acid sequence of open reading frame indicated in figures 5b  
and 5d  
<400> 16

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1 5 10 15

Thr Pro His Pro Arg  
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